



## FAX COVER SHEET

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Date/Time: 2005-12-19 17:16:07 GMT

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Attention: MAIL STOP: ISSUE FEE

Company: USPTO

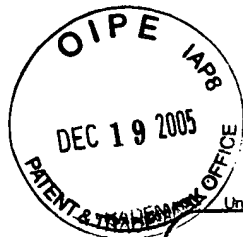
Re: App. No. 09/998,959; Docket No. 2000-0606

Cover Message:

Please find the issue fee paperwork attached.

The Law Office of Thomas M. Isaacson

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PTO/SB/21 (08-03)  
 Approved for use through 08/30/2003. OMB 0651-0031  
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/998,959
	Filing Date	November 1, 2001
	First Named Inventor	Bishnu Saroop Atal
	Art Unit	2655
	Examiner Name	Brian Louis Albertali
Total Number of Pages in This Submission	Attorney Docket Number	2000-0606

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Part B - Issue Fee Transmittal Credit Card form
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Thomas M. Isaacson, Reg. No. 44166	
Signature		
Date	December 19, 2005	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Thomas M. Isaacson	
Signature		Date December 19, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008. CMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,703.00

## Complete if Known

Application Number	09/998,959
Filing Date	November 1, 2001
First Named Inventor	Bishnu S. Atal
Examiner Name	Brian L. Albertali
Art Unit	2655
Attorney Docket No.	2000-0606

## METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 502962 Deposit Account Name: DME bank

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17

☒ Credit any overpayments

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## FEE CALCULATION

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

200	100
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Multiple dependent claims

360	180
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Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 20 or HP =	x	=	
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HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 3 or HP =	x	=	
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HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
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- 100 =	/ 50 =	(round up to a whole number) x	=	
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## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge): Issue Fee (\$1,400) Publication Fee (\$300) Adv. Ord. of Ltrs. Pat. (\$3)

\$1,703.0

## SUBMITTED BY

Signature

Registration No. 44,166  
(Attorney/Agent)

Telephone 410-414-3056

Name (Print/Type) Thomas M. Isaacson

Date December 19, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Application/Control Number: 09/998,959  
Art Unit: 2655

Docket No.: 2000-0606

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:
	:
Bishnu Saroop Atal	: Attorney Ref.: 2000-0606
	:
Serial No.: 09/998,959	: Confirmation No.: 6485
	:
Filed: November 1, 2001	: Art Unit: 2655
	:
FOR: SYSTEM AND METHOD OF	: Examiner: Brian Louis Alvertalli
PATTERN RECOGNITION IN VERY	:
HIGH-DIMENSIONAL SPACE	:

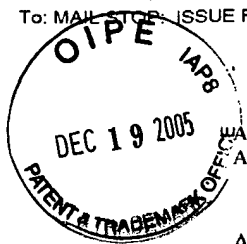
### COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

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**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Dear Sir:

Responsive to the Examiner's Statement for the Reasons for allowance, Applicants note that they do not acquiesce to the Examiner's characterization of claim 16 and the interpretation of the term "center" to the extent that it incorporates or further limits the interpretation of this term. As one example, the Examiner states that "comparing a first distance from the center of an n-dimensional space having a center (i.e., a generally spherical form) to the samples phoneme...." Where the Examiner's interpretation narrows the scope of the claim (i.e., from generally an n-dimensional space to a generally spherical form), Applicants to not concede this interpretation.

Notably, in the prosecution of this case, Applicants argued with respect to claim 16 that there is insufficient motivation or suggestion to combine Smith et al. with Casey and further that there insufficient motivation or suggestion to combine Cooper with Smith et al. Casey teaches away from any combination with a speech-based reference and the teachings of either Smith et al. or Cooper would have to be fundamentally changed for those references to be combined. Therefore, rather than acquiesce to a narrowed interpretation of claim 16,



Application/Control Number: 09/998,959  
Art Unit: 2655

Docket No.: 2000-0606

Applicants would submit that their arguments regarding the lack of motivation to combine are the acceptable reason for the allowance of claim 16, rather than a narrowing interpretation of any particular claim limitation in this claim.

Respectfully submitted,

Date: December 19, 2005

By: /Thomas M. Isaacson/

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